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(54) Title: ANTI-PLASMODIUM COMPOSITIONS AND METHODS OF USE

## Malaria: EBA-175 Neutralizing MABS

### Anti-RII mAbs neutralize merozoite invasion *in vitro*

Strains	% Growth Inhibition (merozoite blockade)			
	mAb R216	mAb R215	mAb R217	mAb R256
FVO	7 p=0.255	82 p=0.005	83 p=0.005	76 p=0.005
3D7	27 p=0.007	35 p=0.002	39 p=0.004	37 p=0.002

## (57) Abstract

Compositions that inhibit the binding of *Plasmodium falciparum* to erythrocytes are provided. More particularly, antibodies specific for *Plasmodium falciparum* binding proteins and blocking peptides that prevent the binding of *Plasmodium falciparum* are included in the present invention. The methods provided utilize the antibody and peptide compositions provided herein and include methods for the diagnosis, prevention, and treatment of *Plasmodium falciparum* diseases such as malaria as well as methods for the detection of *Plasmodium falciparum* in biological samples and culture media.